explore more

User Manual

MiVue™ 6 Series

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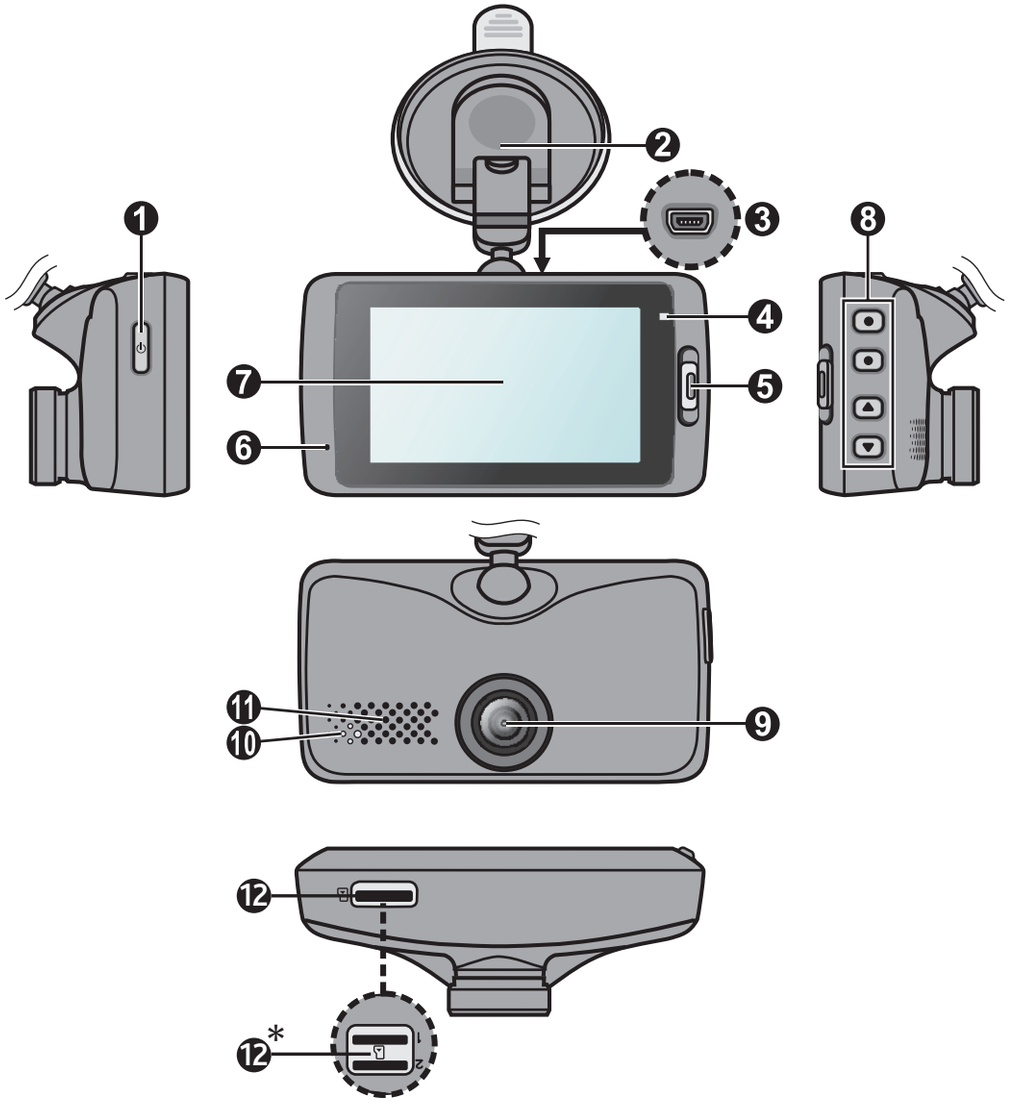
Getting to know your dash cam

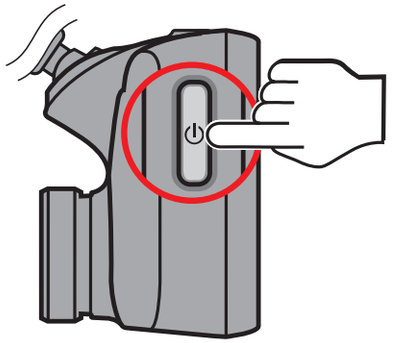
Note: The screenshots and other presentations shown in this manual may differ from the ones generated by the actual product.



1. Power button
2. Device mount
3. Mini-USB connector
4. System indicator
5. Event button
6. Microphone
7. LCD screen
8. Function keys
9. Camera lens
10. Parking indicator
11. Speaker
12. Memory card slot(s)*

* For selected models only.

Power button



- Press and hold for 2 seconds to manually turn the recorder on and off.
- When the recorder is turned on, press to switch the LCD screen on and off.

Event button

Press to manually start an event recording.

LED indicators

- **System indicator**

  Glows in green when the recorder is charging. During charging, the LED flashes in green and amber alternately while the recording is in progress.

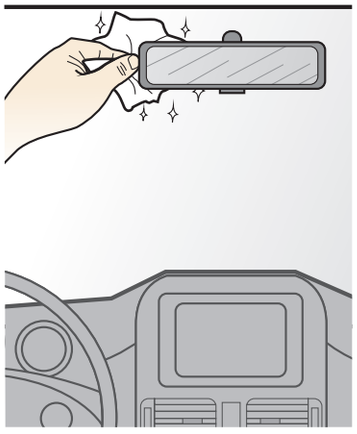
- **Parking indicator**

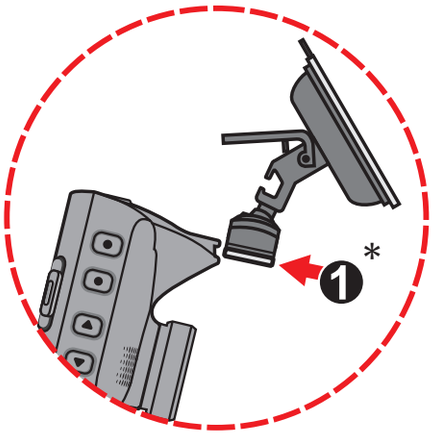
  Flashes in red when Parking recording is in progress.

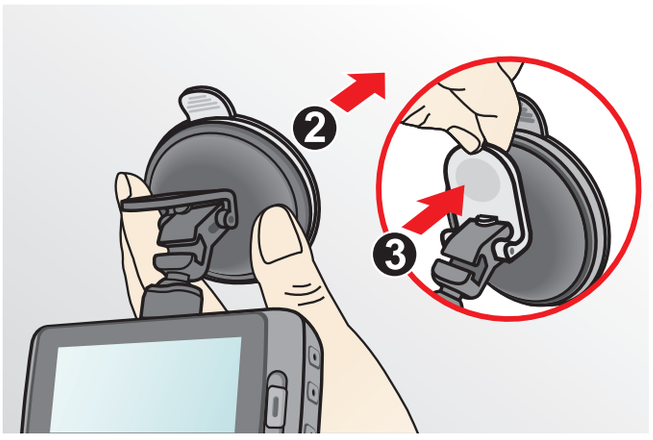
Setting up the device

Using your recorder in a vehicle

1. Make sure that your car is parked on level ground.
2. Follow the instructions below to securely mount your recorder in a vehicle.

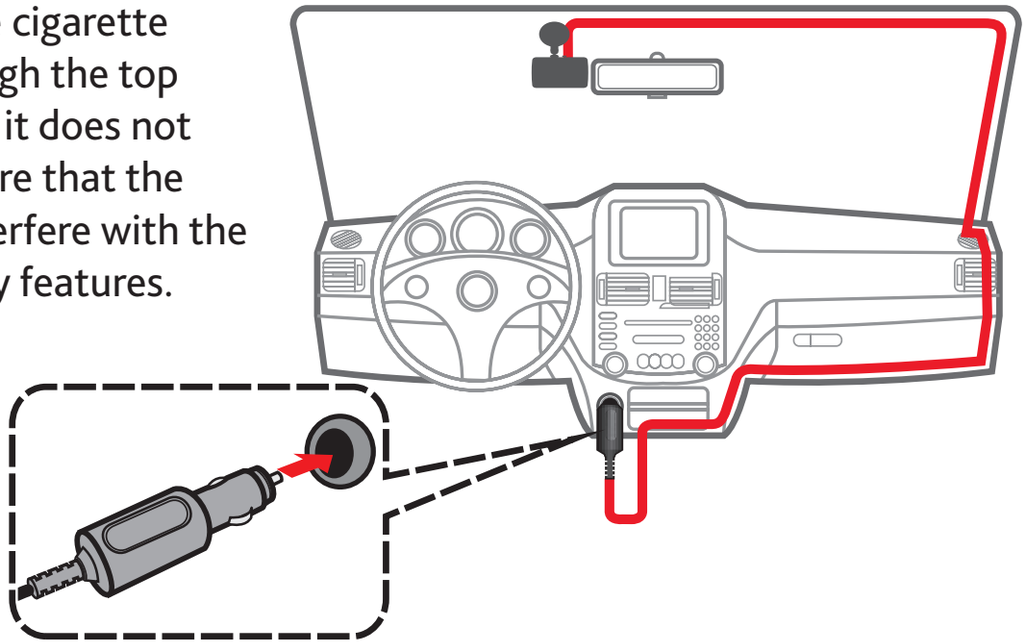




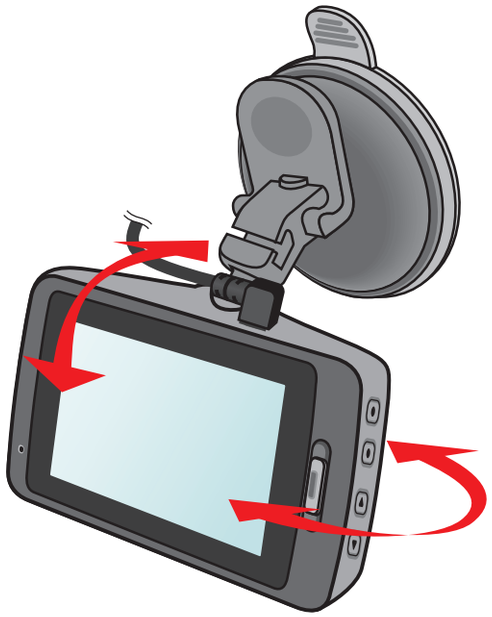


* For selected models only.

3. Connect the car charger to the cigarette lighter. Route the cables through the top ceiling and the A-pillar so that it does not interfere with driving. Make sure that the cable installation does not interfere with the vehicles airbags or other safety features.



4. When adjusting the angle of mounting make sure that the camera's view is parallel with the level ground and the ground/sky ratio is close to 6/4.



Note:

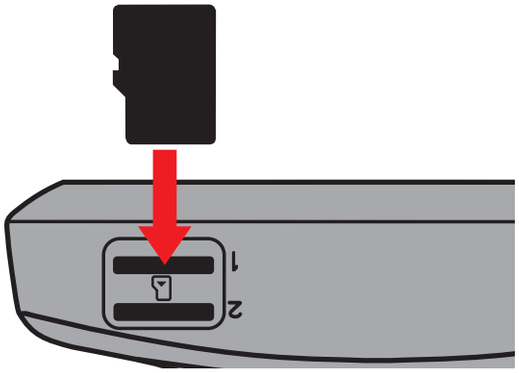
- To ensure the highest quality recordings you are advised to place the recorder near the rear view mirror.
- Select an appropriate location for mounting the device in a vehicle. Never place the device where the driver's field of vision is blocked.
- (For selected models only) If the car's windscreen is tinted with a reflective coating it may be athermic and impact the GPS reception. In this instance please mount your device where there is a "clear area."
- The system will automatically calibrate the G sensor of the device during start-up. To avoid G sensor malfunction always turn the device on AFTER you mount it in the vehicle properly.

Inserting a memory card

You must insert a memory card (not supplied) before you can start recording. The recorder supports memory cards with up to 128GB capacity.

Depending on the model your recorder may have two memory card slots. In this case always insert the primary memory card into Slot 1 and then the second card (if available) into Slot 2. The recorded files are stored to the card in Slot 1; the card in Slot 2 is for you to back up files manually.

1. Hold the card by the edges and gently insert it into the slot with the label facing the rear side of the recorder.



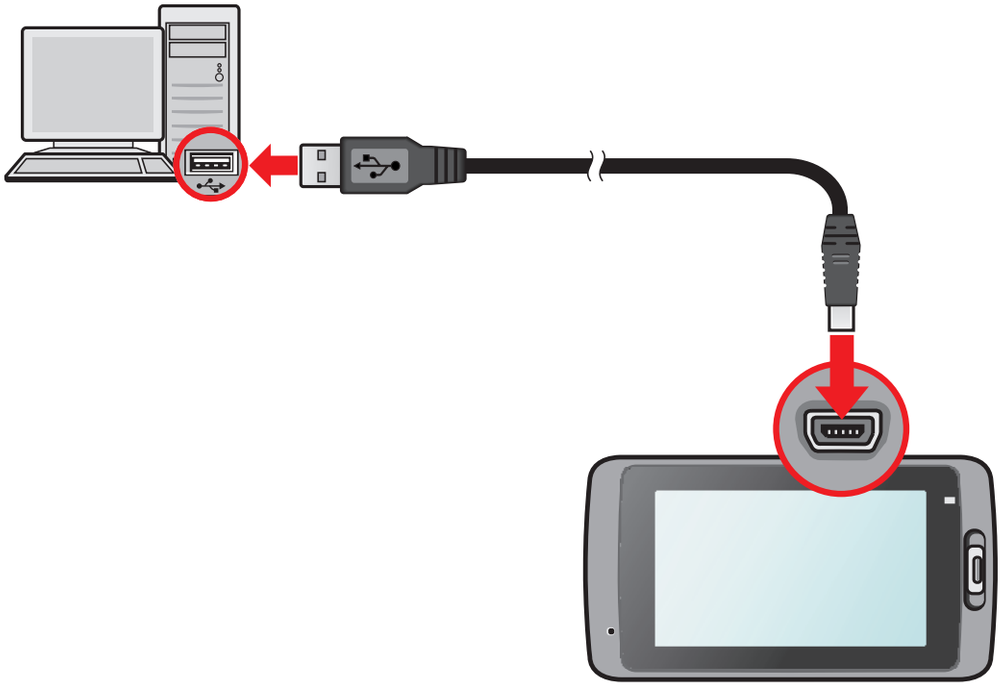
2. To remove a card gently push the top edge of the card inwards to release it and pull it out of the slot.

Note:

- DO NOT apply pressure to the centre of the memory card.
- You are advised to use a Class 10 memory card with at least 8GB capacity.
- MiTAC does not guarantee the product's compatibility with memory cards from all manufacturers.
- Before you start recording please format the memory card to avoid malfunction caused by files not created by the recorder.
- You are recommended to turn the device off before removing the memory card.

Connecting to your computer

You can connect the recorder to your computer to access data on the memory card. Follow the instruction below to connect the recorder to the computer via the USB cable (not supplied).



Operating basics

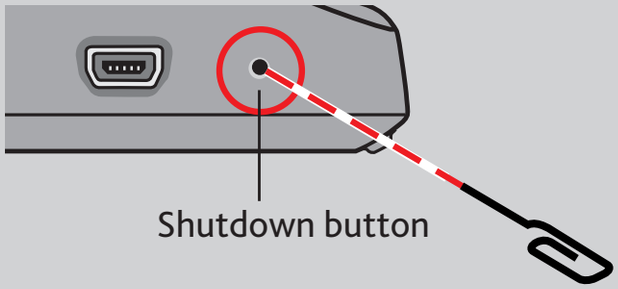
Turning the recorder on

Complete the installation according to the instructions in the “Using your recorder in a vehicle” section. Once the vehicle engine is started the recorder automatically turns on.

Restarting the recorder

Occasionally you may need to perform a hardware reset when the recorder stops responding or if it appears to be “frozen” or unresponsive. To restart the recorder press and hold the Power button until the system is shut down; press the Power button again to turn the recorder on.

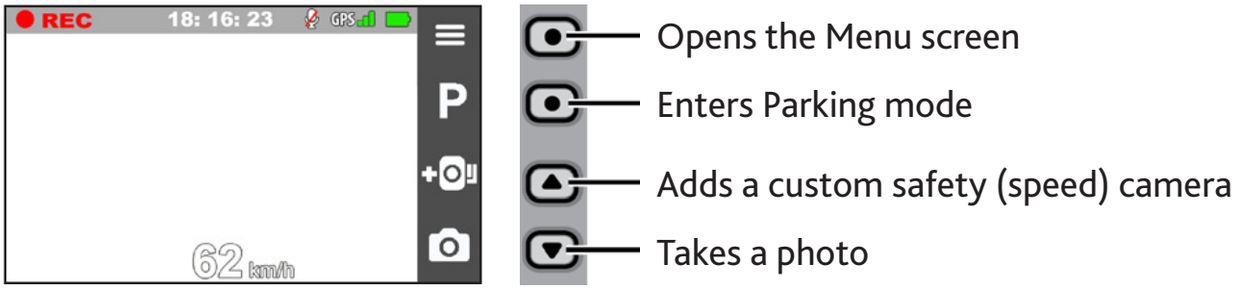
Note: If the system does not shut down by keeping the Power button pressed you can force it to shut down by inserting a small rod (such as a straightened paperclip) into the Shutdown button on the top of the device.



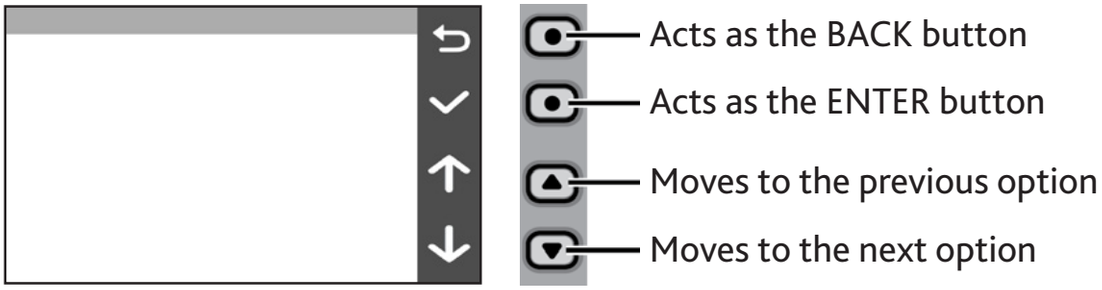
Function keys

The device provides four function keys to control the corresponding icons displayed on the LCD screen. The key's function may vary on different screens.

Example 1. Recording screen

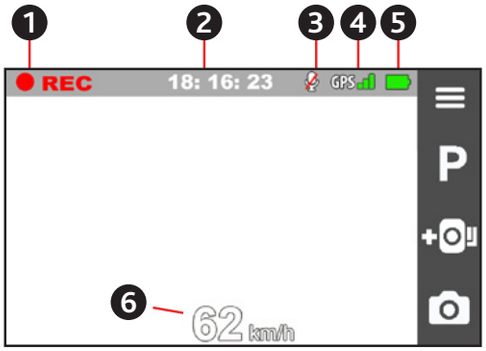


Example 2. Menu screen



System icons

Various System icons on the title bar at the top of the screen provide the status information of your device. The icons displayed will vary depending on your device model and state.



1. Recording indicator
2. Time display
3. Recording with sound is disabled
4. GPS signal
5. Battery power
6. Your current speed

Setting the date and time

To make sure that the date and time of your recordings are correct, check the settings before you begin recording.

1. Press to access the Settings Menu.
2. Select **System > Date / Time** and press .
3. Select **Use GPS time*** or **Manual**:
   - When you select **Use GPS time** the system will set date and time according to the GPS location.
   - When you select **Manual** the system will display the date and time setting screen.

     Use / to adjust the value of the selected field; press and repeat the step until all fields have been changed. When completed, press .

* For selected models only.

Recording in driving mode

Continuous recording

By default the system will automatically begin with continuous recording in a few seconds after start up. The recording may be divided into several video clips; recording will not stop between video clips.

- When continuous recording is in progress you can manually stop recording by pressing .
- Press to return to the recording screen; the system will start continuous recording automatically.
- The continuous recordings can be found in the “Video” category for file playback.

Event recording

By default if an event happens such as a sudden impact, high speed driving, an aggressive turn or an accidental crash the G sensor* will prompt the recorder to start recording the event.

* You can change the sensitivity level (6 levels, from **Low** to **High**) of the G sensor by selecting ☰ **> Video Recording > G-Sensor Sensitivity**.

- If you want to manually start an event recording while continuous recording is in progress press the Event button on the device.
- The event recordings can be found in the “Event” category for file playback.

Recording in Parking mode

Your recorder supports the parking recording function. Depending upon how long the car is parked you may need an additional power source (e.g. an uninterruptible power cable like Mio Smart Box which is sold separately) to record the video during Parking mode.

- The Parking mode function is disabled by default. You have to enable the function by selecting ☰ **> Parking Mode > Detection > On**.
- Before enabling Park mode please check your device memory storage allocation. Go to ☰ **> System > Storage Allocation** to set a proper allocation for parking recording. Changing the allocation will erase the memory card so save any videos or photos to your computer first.
- When the Parking mode detection is enabled the system will enter Parking mode when you:
  - disconnect the device's power (e.g. the vehicle engine is stopped or the power cable is disconnected) or when the car stops moving for about 5 minutes*; or
  - press P to manually start Parking mode while continuous recording is in progress.

  * The feature is triggered by the G sensor of the device. You can change the configuration by selecting ☰ **> Parking Mode > Auto Entry**.

- To stop Parking mode and resume continuous recording, press .
- If movements were detected and recorded during Parking mode you will be asked to playback the video when you stop Parking mode.
- The parking recordings can be found in the “Parking” category for file playback.

Camera mode

The recorder allows you to take a photo.

- If the recording is in progress press to take a photo.
- The photos can be found in the “Photo” category for file playback.

Playback mode

To select a video or photo for playback:

1. Press **> File Playback**.
2. Select **1st SD** or **2nd SD** (for selected models only).
3. Select the desired type: **Video**, **Event**, **Parking** and **Photo**.
4. Press / to select the desired file from the list and then press to start playback.
5. During playback, you can:
   - While playing videos, press / to play the previous/next video.
   - While viewing photos, press / to display the previous/next photo.
   - Press to return to the list.
   - Press to display the pop-up menu to select:
     - **Play/Pause**: Starts or pauses the playback.
     - **Move to Event**: Moves the file to the “Event” category.

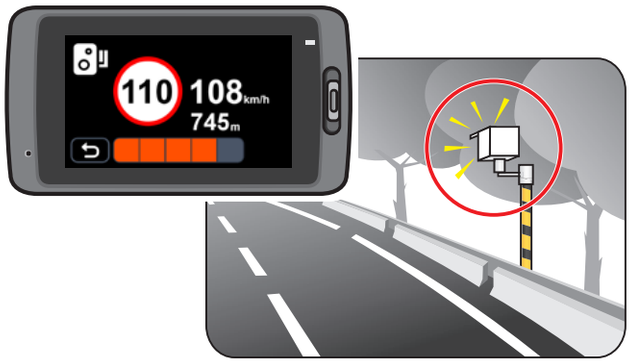
- **Backup to 2nd SD**: Copies the file to the second memory card (for selected models only).
- **Delete**: Deletes the file.

Safety camera alerts

Caution: For legal reasons the safety camera function is not available in all countries.

You can receive alerts to warn you about the locations of safety (speed) cameras which will enable you to monitor your speed through these areas*.

* For selected models only.



- When a safety camera appears and is positioned in the detectable direction you will receive alerts. The screen will display the visual alert* and you will also receive audio warnings (**Beep**, **Voice**, or **Mute**).

  * The displayed icon may vary depending on the type of the safety camera:

  fixed camera

  red light camera

  mobile camera

  average speed camera

  traffic light camera

  traffic violation camera

- When the alert sound setting is set to **Beep**:
  - When your car approaches a safety camera you will receive a normal beep alert.
  - When your car approaches a safety camera at a speed over the set threshold you will receive a persistent beep alert until your car speed drops lower than the appropriate speed limit.
  - When your car passes through a safety camera you will be notified by a different beep alert.
- You can change the settings about how you want to receive the safety camera alerts. See the “System settings” section for information.

Adding a safety camera

Note: You can add a custom safety camera only when a GPS fix is established.

Your recorder allows you to customise the safety camera database. You can add up to 100 custom safety cameras in your recorder.

Follow the steps to configure a custom safety camera:

1. To add a custom safety camera in the current location press on the recording screen.
2. The next time when you pass by the location you will receive alerts by the recorder.
3. To view the information of the user-added safety camera select **> SafetyCam > Custom SafetyCam** and then select the safety camera that you want to check.
4. Press to remove the custom safety camera from the recorder.

Updating safety camera data

MiTAC does not warrant that all types and locations of safety camera data are available as cameras may be removed, relocated or new cameras installed.

Occasionally MiTAC may offer you updates of safety camera data. Visit the MiTAC website for available downloads and follow the instructions to complete update.

System settings

To customise the system settings press .

Note: Depending on your MiVue model, certain setting options may not be available.

- **File Playback**

  Plays the recorded videos and photos.

- **Sound Recording**

  Sets if you want to include sounds in the recordings. The default setting is **On**.

- **Driving Safety**

  The recorder provides advanced driving safety functions to make your driving safer.

  - **Calibration:** After the Lane Departure Warning System (LDWS) function is enabled, follow the steps to calibrate the system:
    1. Drive the vehicle in the middle of the lane.
    2. Ask a passenger to select the option and then follow the on-screen instructions to complete calibration.

    You are advised to calibrate the system constantly in order to be alerted properly.
  - **LDWS:** The default setting is **Off**. You can enable this function by selecting **Beep** or **Voice**. Once enabled, the system will alert you when it detects that the car speed is over 60 km/h and the car has strayed from its intended lane.
  - **Headlight Reminder:** The default setting is **Off**. Once enabled, the system will remind you to turn the lights on when you are driving after dark.
  - **Driver Fatigue Alert:** The default setting is **Off**. Once enabled, the system will remind you to take a break after long-distance driving (**2 hours**, **3 hours** or **4 hours**).
  - **Eco Drive Indicator:** The default setting is **Off**. Once enabled, the system will display the Eco drive indicator on the screen. The colour of the indicator will change (red, yellow or green) depending on your driving status to remind you to drive more efficiently.

- **SafetyCam**

  Sets how you want to be notified of safety cameras. The available settings include:

  - **Alert Sound:** The options are **Beep**, **Voice** and **Mute**.
  - **Alert Distance:** The options are **Short**, **Medium** and **Long**.
  - **Alert Method:** The options are **Smart Alert** and **Standard Alert**.
  - **Threshold:** Sets the speed value for the recorder to start offering alerts.
  - **Cruise Speed Alert:** Sets the limit for cruise speed. When you drive at a cruise speed over the set value you will receive alerts by the recorder.
  - **Custom SafetyCam:** Lists all user-added safety cameras which are sorted by created time.

- **Parking Mode**

  Allows you to change the settings of Parking mode. The available settings include:

  - **Detection:** When enabled the recorder will automatically start recording when it detects movements or if an event happens in Parking mode.
  - **Detection Method:** The options are **Only G-sensor**, **Only Motion** and **Both Motion & G-sensor**.
  - **Auto Entry:** Sets the mode (**Low**, **Medium**, **High** or **Manual**) for the system to enter Parking mode automatically.
  - **Motion Detection:** The options are **Low**, **Medium** and **High**.
  - **G-Sensor Sensitivity:** Sets the sensitivity level (**Low**, **Medium** or **High**) of the G sensor that allows automatic triggering of the parking recording when the recorder is in Parking mode.
  - **LED Indicator:** The options are **On** and **Off**.

- **Video Recording**

  Changes the settings of recording, including:

  - **Video Clip Length:** Sets the length of each video clip for a continuous recording (**1 min**, **3 min** or **5 min**).

- **Video Resolution:** Sets the resolution of the video.
- **EV:** Sets the proper exposure level (**-1** ~ **+1**) to adjust the brightness of the image. The default setting is **0**.
- **G-Sensor Sensitivity:** Sets the sensitivity level (6 levels, from **Low** to **High**) of the G sensor that allows automatic triggering of the event recording while continuous recording is in progress.
- **Stamps:** Sets the information (**Coordinates** or **G-Sensor**) that will be displayed on the recorded video.

▪ **System**

Allows you to change the system settings of the device.

- **Satellites:** Displays the status of GPS/GLONASS signal reception.
- **Date/Time:** Sets the system date and time. For more information see the "Setting the date and time" section.
- **System Sound:** Enables or disables system notification sounds.
- **Volume:** Adjusts the volume level.
- **LCD Standby:** Selects **Always On** to keep the LCD on; or sets the timer for the LCD to turn off automatically (**10 sec**, **1 min** or **3 min**) after recording starts. Selecting **Standby** will turn off the LCD (in specified time) but still display the time and speed information.
- **Language:** Sets the language.
- **Distance Unit:** Sets the preferred distance unit.
- **Storage Allocation:** The system provides 3 default memory configurations to store the videos (including continuous recordings, event recordings and parking recordings) and photos. Select the proper configuration based on your usage.
- **Restore to Defaults:** Restores system settings to factory defaults.
- **Version:** Displays the software information.

▪ **Format**

Formats a memory card. (All data will be erased.)

MiVue Manager

MiVue Manager™ is a tool for you to view the videos recorded on a recorder.

Note: Not all features are available for every model.

Installing MiVue Manager

Download MiVue Manager from the Support page of our website (www.mio.com/support) and follow the on-screen prompts to install it. Make sure to download the correct software version (Windows or Mac) according to your computer's operating system.

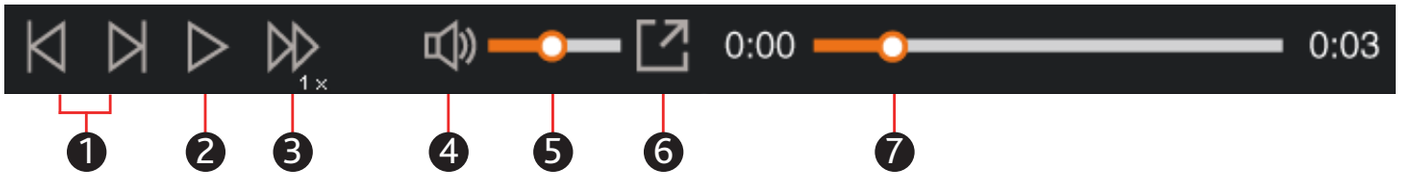
Playing the recording files

1. Remove the memory card from the recorder and access the card on the computer via a card reader. You are advised to copy the recording files to your computer for backup and playback.

   You may also leave the memory card inserted in the MiVue device and connect the device to your computer via a USB cable.

2. Start MiVue Manager on the computer.
   - By default MiVue Manager shows the calendar and the file list on the right.
   - When a recording file exists you will see the date marked with " • ." Click that date to display the files that were recorded on that date.
   - You can choose the file type to display: **Event** / **Normal** / **Parking**.
   - To display all files in the current folder click **All**. To return to the calendar view click **Calendar**.
3. Double-click the desired file on the file list to start playback.

4. The playback controls are described as follows:



   4-1. Skips to the previous / next file on the list.

   4-2. Starts or pauses the playback.

   4-3. Changes the playback speed to 1/4x, 1/2x, 1x (default), 1.5x, or 2x.

   4-4. Mutes or unmutes the volume.

   4-5. Adjusts the volume level.

   4-6. Plays the video in full screen.

   4-7. Displays the playback progress. You can click on a point along the track bar to move directly to a different location for the playback.

5. During playback, you can check more driving information from the dashboard panel and the G sensor chart that are displayed below the video playback screen.

   - On the dashboard panel, click to display the map screen*.
   - G sensor chart displays data in 3-axis waveform about the car's shift forward/ backward (X), to the right/left (Y) and upward/downward (Z).

   * The map screen may not display when the computer is not connected to the Internet or when your MiVue model does not support the GPS function.

6. The tool bar allows you to do the following:

   6-1. Selects the folder that stores the recording files.

6-2. Previews and prints the current video image.

6-3. Saves the selected files to the specified location on your computer.

6-4. Captures and saves the current video image to the specified location on your computer.

6-5. Opens the Settings Menu. The Settings items are described as follows:

- **Change Language**: Sets the display language of MiVue Manager.
- **Change Skin**: Sets the color scheme of MiVue Manager.
- **Check for Update**: Checks if there is any new version of MiVue Manager. Internet access is required for this feature.
- **About**: Displays the version and copyright information of MiVue Manager.

6-6. Exports the GPS information of the selected file in the KML format to the specified location on your computer.

6-7. Uploads the selected file to Facebook / YouTube™.

For more information

Caring for your device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.
- Never clean your device with it powered on. Use a soft, lint-free cloth to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembling, modifying or any attempt to repair could cause damage to your device, may inflict bodily harm or damage to property and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.
- To discourage theft do not leave the device and accessories in plain view in an unattended vehicle.
- Overheating may damage the device.

Precautions and notices

- For your own safety do not operate the controls of the product while driving.
- A window mount is needed when using the recorder in a car. Make sure that you place the recorder in an appropriate place, so as not to obstruct the driver's view or deployment of airbags.
- Make sure that no object is blocking the camera lens and no reflective material is placed near the lens. Please keep the lens clean.
- If the car's windscreen is tinted with a coating it may impact the recording quality.

Safety precautions

About charging

- Use only the charger supplied with your device. Use of another type of charger may result in malfunction and/or danger.
- This product is intended to be supplied by a LISTED Power Unit marked with "LPS", "Limited Power Source" and output rated + 5 V dc / 1.0 A.

About the charger

- Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.
- Allow adequate ventilation around the charger when using it to operate the device or charge the battery. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.
- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the charger if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

About the battery

CAUTION! This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns do not disassemble, crush, puncture or dispose of in fire or water.

- Use a specified battery in the equipment.
- Important instructions (for service personnel only)
  - Caution! Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
  - Replace only with the same or equivalent type recommended by the manufacturer.
  - The battery must be recycled or disposed of properly.
  - Use the battery only in the specified equipment.

About GPS

- GPS is operated by the United States government, which is solely responsible for the performance of GPS. Any change to the GPS system can affect the accuracy of all GPS equipment.
- GPS satellite signals cannot pass through solid materials (except glass). When you are inside a tunnel or building, GPS positioning is not available. Signal reception can be affected by situations such as bad weather or dense overhead obstacles (e.g. trees, tunnels, viaducts and tall buildings).
- The GPS positioning data is for reference only.

Regulatory information

For regulatory identification purposes, Mio™ MiVue™ 6 Series is assigned a model number of N489.

CE Products with the CE marking comply with the Electromagnetic Compatibility Directive (2004/108/EC) - issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

EN 55022: 2010 + AC2011 and CISPR 22: 2008 (modified)

EN 55024: 2010 and CISPR 24: 2010

EN 61000-4-2: 2009 and IEC 61000-4-2: 2008

EN 61000-4-3: 2006 + A1: 2008 + A2: 2010 and IEC 61000-4-3: 2006 + A1: 2007 + A2: 2010

EN 61000-4-4: 2012 and IEC 61000-4-4: 2012

EN 61000-4-5: 2006 and IEC 61000-4-5: 2005

EN 61000-4-6: 2009 and IEC 61000-4-6: 2008

EN 61000-4-8: 2010 and IEC 61000-4-8: 2009

EN 61000-4-11: 2004 and IEC 61000-4-11: 2004

ETSI EN 301 489-1 V1.9.2 (2011)

ETSI EN 301 489-3 V1.41 (2002)

ETSI EN 300 440-1 V1.6.1: 2010

ETSI EN 300 440-2 V1.4.1: 2010

IEC60950-1(ed.2); am1

ISO7637-2 : 2004

The manufacturer cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with the CE Marking.

Declaration of conformity

Hereby, MiTAC declares that this N489 is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.

WEEE

This product must not be disposed of as normal household waste, in accordance with the EU directive for waste electrical and electronic equipment (WEEE – 2002/96/EC). Instead, it should be disposed of by returning it to the point of sale, or to a municipal recycling collection point.

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Disclaimer
Specifications and documents are subject to change without notice. MiTAC does not warrant this document is error-free. MiTAC assumes no liability for damage incurred directly or indirectly from errors, omissions or discrepancies between the device and the documents.

Notes
Not all models are available in all regions.
Depending upon the specific model purchased, the color and look of your device and accessories may not exactly match the graphics shown in this document.

Do not operate the device while driving. Using this product does not change the requirement for a driver to take full responsibility for his or her behavior. This responsibility includes observing all traffic rules and regulations in order to avoid accidents, personal injury or property damage.

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